

Abstract

A purifier to purify exhaust gas includes a case, a plurality of metal sheets disposed in the case, a catalyst held to each of the metal sheets, partition plates disposed between the respective metal sheets, a metallic pipe disposed piercing through the metal sheets, and a catalyst heater disposed in the metallic pipe. The plurality of metal sheets are arranged at predetermined intervals, and each of the metal sheets has at least one through-hole. The partition plates serve to partition the spaces between the respective metal sheets. The exhaust gas is circulated through the spaces between the respective metal sheets and then passes through the through-holes and is exhausted from the outlet of the case. In this way, it is possible to increase the number of metal sheets without increase of the pressure loss and to enlarge the outer diameter of same. As a result, the exhaust gas purifying capacity will be improved.